To: DeYoung, Robyn[DeYoung.Robyn@epa.gov]
Cc: Thayer, Brandon L[brandon.thayer@pnnl.gov]; Nidhi R. Santen[nrsanten@synapse-energy.com]; Jeremy Fisher[jfisher@synapse-energy.com]
From: Hardy, Trevor D
Sent: Tue 8/25/2015 5:32:06 PM
Subject: Re: AVERT 2015 load data
removed.txt

Sure; here's the data. If this isn't quite what's needed, let me know and I'm sure I can round up what's missing.

Trevor

From: "DeYoung, Robyn" <DeYoung.Robyn@epa.gov>
Date: Tuesday, August 25, 2015 at 9:16 AM
To: Trevor Hardy <trevor.hardy@pnnl.gov>
Cc: Brandon Thayer <brandon.thayer@pnnl.gov>, "Nidhi R. Santen" <nrsanten@synapse-energy.com>, Jeremy Fisher <jfisher@synapse-energy.com>
Subject: RE: AVERT 2015 load data

Hi Trevor,

I forwarded your question to Synapse for their help in resolving your issue. They've asked if you could provide the graphs in an attachment. They aren't able to read them and would like to review the data behind them. Please reply all so everyone is included in your response.

Thanks,

Robyn

From: Hardy, Trevor D [mailto:trevorhardy@pnnl.gov]
Sent: Thursday, August 13, 2015 10:54 AM
To: DeYoung, Robyn
Cc: Thayer, Brandon L
Subject: Re: AVERT 2015 load data

Robyn,

Thanks for you help on this. We've been able to use this mapping on downloaded AMPD data to remap generators into AVERT regions. We're running into a little trouble where the downloaded AMPD data doesn't always line up with the existing AVERT data. I've attached two plots showing cases where it looks like things are working really well and where they aren't.

We are assuming that we are not quite doing the filtering right in our AMPD download. Below are the settings we used in downloading the AMPD data; do you have any insight into the difficulty we are having or suggestions on what we can do to get these datasets lined up?

Trevor

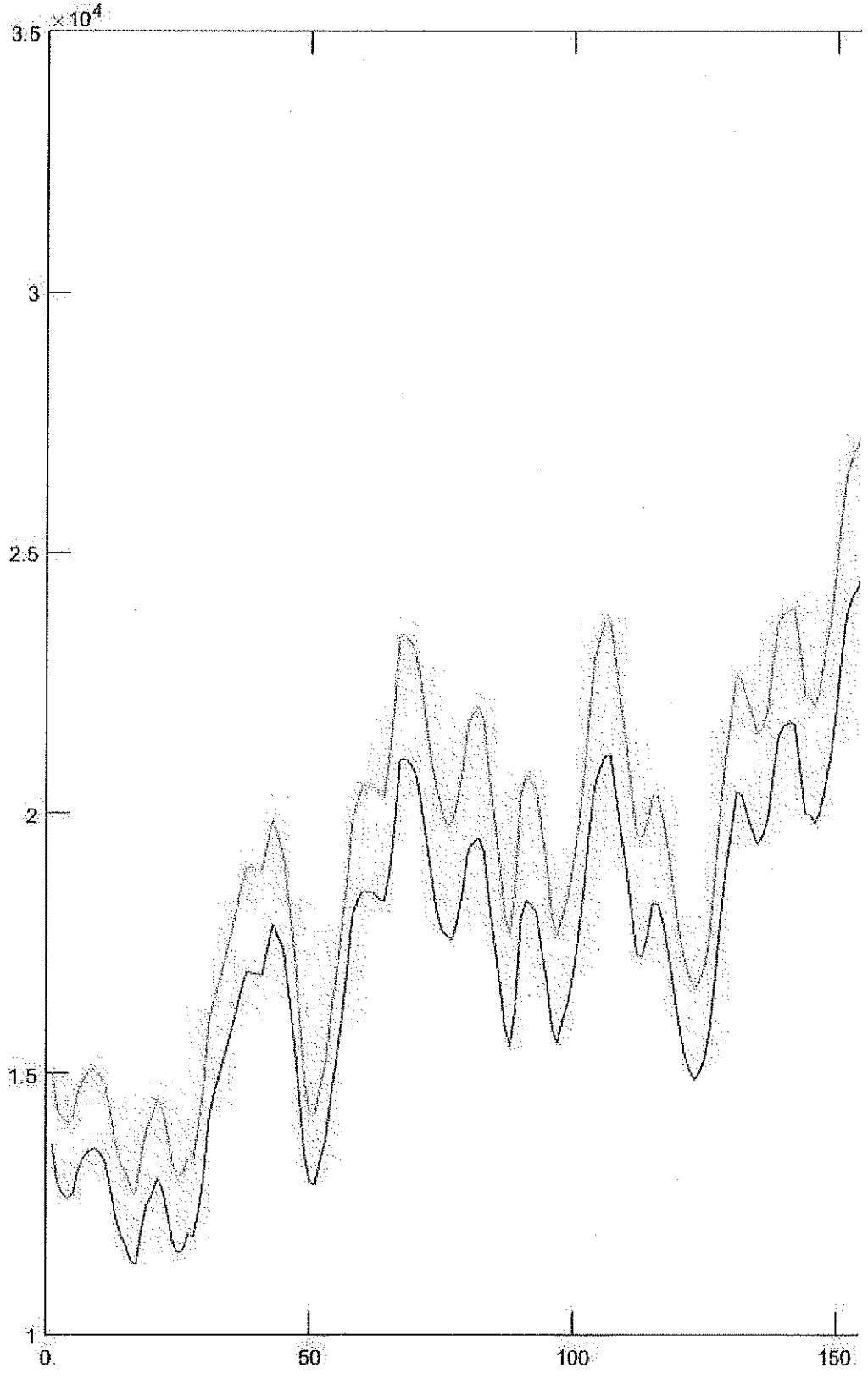
We used the AMPD Query tool to download information for all generators:

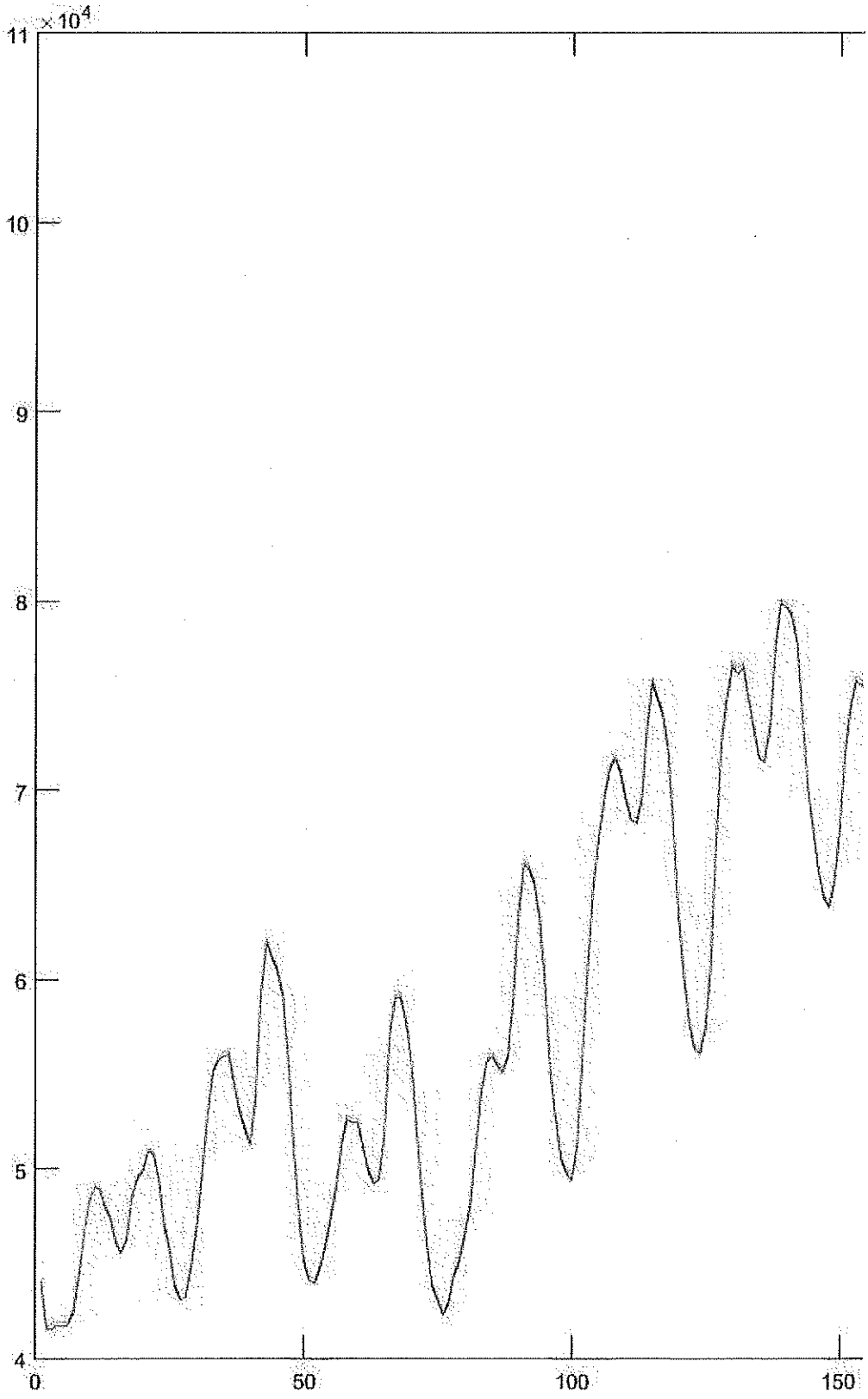
Programs and Data Sets: "All Programs" and for Data Sets selected "Emissions" and "Unit Level."

Time Frame: we selected "Hourly" and "Date Range" from 12/25/14 to 01/08/15 with start time 0 and end time 23.

Criteria: filtered by Unit Classification and State (state only to limit the number of entries returned. We ended up doing 9 separate queries). In Unit Classification we selected Electric Utility.

Variables: Gross Load (MW).


×10^4
3.5
3
2.5
2
1.5
1
0
50
100
150


×10^4
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From: "DeYoung, Robyn" <DeYoung.Robyn@epa.gov>
Date: Friday, July 24, 2015 at 1:53 PM
To: Trevor Hardy <trevorhardy@pnnl.gov>
Subject: Fw: AVERT 2015 load data

Hi Trevor,

We aren't sure if one week of data is sufficient to discern any measurable impacts, but here is a file Jeremy sent over that you can do your identification of units.

Robyn

From: Jeremy Fisher <jfisher@synapse-energy.com>
Sent: Friday, July 24, 2015 3:11 PM
To: DeYoung, Robyn
Subject: RE: AVERT 2015 load data

Trevor can use the tab "EPA_Facilities" in the Future Year Scenario template (attached) to map from a EPA EGU identification (columns H & I, or B) to AVERT regions (column AC, or AI)

No pre-processor required.

-Jeremy

From: DeYoung, Robyn [mailto:DeYoung.Robyn@epa.gov]
Sent: Friday, July 24, 2015 10:40 AM
To: Jeremy Fisher
Subject: Fw: AVERT 2015 load data

Hi Jeremy,

See the email below from Trevor.. I'm seeing a trend in asking for preprocessor data. I would say, no we don't have the 2015 data available and they could just use 2014 as a proxy... Thoughts?

If you need to call me I'm working from home, but you'd need to use my personal line [redacted]

[redacted]. But email is fine too.

FOIA Exemption #6
personal phone information

Robyn

From: Hardy, Trevor D <trevor.hardy@pnnl.gov>
Sent: Thursday, July 23, 2015 5:10 PM
To: DeYoung, Robyn
Subject: AVERT 2015 load data

Robyn,

For one of the analysis we are doing for our project on the smart-grid and their emissions impact it would be useful have the first week of 2015 load data as is published in the AVERT RDFs. We tried going to the AMPD site and making a query there but the EPA region aggregation does not line up with the AVERT region aggregation very well. Is there a way to get this load data by AVERT region from you early? Alternatively, is there an easily digestible mapping that we could use to group the individual generators ourselves from a more general AMPD query?

Trevor